

**In the Claims:**

Cancel claims 1-11.

New claims 12-21 have been added.

1-11. (cancelled)

12. (new) A loudspeaker with removable/replaceable cone and voice coil comprising:

a frame having a bottom surface with a side portion extending upward from, and surrounding, said bottom surface, said side portion terminating in an exterior edge of a uniform height above said bottom surface and said exterior edge defining an opening having a first predetermined size and shape;

a stiff diaphragm having an outer edge, a top surface and a bottom surface; said stiff diaphragm has a second size that is smaller than said first size and is substantially the same shape as said opening defined by the exterior edge of the frame;

a first flexible suspension surrounding the outer edge of the diaphragm having an inner edge attached to the outer edge of the diaphragm and an outer edge attached to the exterior edge of the frame, with the combination of said diaphragm and first suspension having a size and shape that is substantially the same as the first size and shape;

an audio motor including:

a magnet mounted centrally to the bottom surface of the frame;

a thin walled bobbin having a first length, a first diameter, and first and second ends; and

a voice coil wound closest to the first end of the bobbin;

wherein the second end of the bobbin is attached centrally to the bottom surface of the diaphragm to move the stiff diaphragm, when the first suspension is coupled to the frame, inward and outward relative to the bottom surface of the frame in response to an electrical signal applied

to the voice coil that interacts with the magnet to move the bobbin;  
a first cylinder having a second length that is shorter than the first length, and  
an inner diameter that is larger than the combined first diameter of the bobbin and a  
thickness of the voice coil wound thereon; and

a second flexible suspension attached to, and surrounding, an outer surface of  
said first cylinder, and extending and attached to a point on an interior surface of the  
side portion of the frame between the exterior edge and the bottom surface of the  
frame;

wherein when the loudspeaker is assembled the end of the bobbin with the voice  
coil thereon extends through the first cylinder and interacts with the magnet.

13. (new) A loudspeaker as in claim 12 wherein the combination of  
said diaphragm and first flexible suspension is removably attached to the exterior edge  
of the frame.

14. (new) A loudspeaker as in claim 13 further includes an elastic ring  
located around the exterior edge of the frame with the outer edge of the first flexible  
suspension between the elastic ring and the exterior edge of the frame.

15. (new) A loudspeaker as in claim 12 wherein said bobbin is  
removably attached to said diaphragm.

16. (new) A loudspeaker as in claim 12 wherein:  
said loudspeaker further includes a second cylinder having first and second ends,  
a third length that is shorter than said first length and a second diameter that is greater  
than said first diameter, with said first end connected to the bottom surface of the  
diaphragm concentrically with, and encircling said first end of, the bobbin, wherein an  
inner surface of the second end of the first cylinder is threaded; and  
an end of said first cylinder is externally threaded to mate with the threaded

portion of said second cylinder closest to said exterior edge of the frame when the loudspeaker is assembled.

17. (new) A loudspeaker as in claim 16 wherein the combination of said diaphragm and first flexible suspension is removably attached to the exterior edge of the frame.

18. (new) A loudspeaker as in claim 17 further includes an elastic ring located around the exterior edge of the frame with the outer edge of the first flexible suspension between the elastic ring and the exterior edge of the frame.

19. (new) A loudspeaker as in claim 16 wherein said bobbin is removably attached to said diaphragm.

20. (new) A loudspeaker as in claim 16 wherein:  
the threaded end of said first cylinder includes a first bifurcated, externally threaded ring affixed to the first cylinder, the first bifurcated ring includes two electrically conductive portions and two non-conductive portions alternately around the edge of the first cylinder;

the second end of said second cylinder includes a second bifurcated, internally threaded ring affixed to the second cylinder, the second bifurcated ring includes two electrically conductive portions and two non-conductive portions alternately around the edge of the second cylinder;

said voice coil being an electrically conductive wire coil with the coil having two free ends, said two free ends of wire dressed to the second end of the bobbin, then to the first end of the second cylinder and then to the second end of the second cylinder with each of the wire free ends in electrical contact with a different one of two electrically conductive portions of the second ring;

said loudspeaker further including:

a pair of electrically conductive wires dressed across said second suspension toward the frame; and

a pair of terminals mounted on the frame each connected to a different one of the wires dressed across said second suspension toward the frame with said terminals disposed to be connected to an amplifier to receive electrical signals to drive said voice coil; and

when said loudspeaker is assembled first and second cylinders are aligned one with the other with the first and second conductive portions of the first ring being in contact with a different one of the first and second conductive portions of the second ring.

21. (new) A loudspeaker as in claim 16 wherein:

said first cylinder includes two electrically conductive cylinder portions and two non-conductive cylinder portions alternately therearound forming the first cylinder;

said second cylinder includes two electrically conductive cylinder portions and two non-conductive cylinder portions alternately therearound forming the second cylinder;

said voice coil being an electrically conductive wire coil with the coil having two free ends, said two free ends of wire dressed to the second end of the bobbin and then to the first end of the second cylinder with each of the wire free ends in electrical contact with a different one of two electrically conductive cylinder portions of the second cylinder;

said loudspeaker further including:

a pair of electrically conductive wires dressed across said second suspension toward the frame; and

a pair of terminals mounted on the frame each connected to a different one of the wires dressed across said second suspension toward the frame with said terminals disposed to be connected to an amplifier to receive electrical signals to drive said voice coil; and

when said loudspeaker is assembled first and second cylinders are aligned one with the other with the first and second conductive cylinder portions of the first cylinder being in contact with a different one of the first and second conductive cylinder portions of the second cylinder.